

# COMBINED HEAT and POWER

## For New England

June 22, 1999  
Comfort Inn Parwick Center  
Chicopee, Mass. 01020

Sponsored by the U.S. Department of Energy  
Cosponsored by Massachusetts Division of Energy Resources,  
Connecticut Office of Policy and Management,  
Rhode Island State Energy Office, and  
The University of Massachusetts

*Combined Heat and Power in New England* is a one-day conference for owners and operators of industrial, commercial and institutional facilities with simultaneous heating and electrical power needs or on-site electrical generation needs. The purpose of the Conference is to provide interaction between attendees and Combined Heat and Power (CHP) national experts, vendors, and technical and financial consultants.

Recent developments in efficient, cost-effective electrical generation technologies and approaches to utilize the associated waste heat have sparked renewed interest in CHP or cogeneration applications. In the emerging Deregulated Utility Marketplace, there is revived interest in on-site or nearby applications for small-scale electrical generation. For facilities that also have process or space heating and cooling requirements, CHP can be a very cost effective alternative.

As our aging boiler infrastructure nears retirement, a CHP upgrade offers commercial, industrial and institutional facilities an opportunity to produce clean efficient electricity and thermal needs. A restructured electricity market has created an atmosphere for innovation in smaller scale electrical generation and distributed power.

The Conference topics cover:

- Principles of CHP;
- Currently available CHP technologies;
- Descriptions of successful on-site electrical generation and waste heat use in industrial, institutional and commercial settings;
- Opportunities for financing CHP;
- Regulatory issues, siting requirements and environmental requirements of CHP; and
- Electrical backup, interconnection and standby issues.

### PROGRAM

*(Subject to Change)*

**8:00 a.m.-Registration and Continental Breakfast**

**8:30 a.m.- Welcome** Pat Stanton, Deputy Commissioner, Massachusetts Division of Energy Resources

**9:00 A.M.-OVERVIEW OF CHP TECHNOLOGIES**

**Micro Turbines-** Peter Baldwin, Northern Research and Engineering Corporation

**Reciprocating Engines-** Matt Gorniak, Caterpillar Engines

**Steam Turbines -** Jonathon Weis, Trigen-Ewing

**CHP Decisions-** Michael Muller, Rutgers University

11:00-Coffee Break

### **11:15-BREAKING THE BARRIERS**

**CHP Emissions permitting:** Ernest Bouffard, Connecticut Department of Environmental Protection

**Regulatory issues and Interconnections:** Lucy Johnston, Massachusetts Department of Telecommunications and Energy

**12:00 p.m.-Lunch**

### **1:30-CHP CASE STUDIES**

**Industrial/ Malden Mills:** Fred Ferrante, Vanderweil Engineers

**Commercial/ Providence Mall:** – Chris Reino, ERI Services Inc.

**Institutional/ UMASS Medical Center** – Tom Bryda, Noresco

3:15-Coffee Break

### **3:30-FINANCING CHP PLANTS**

**ESCO CHP Financing Opportunities:** Craig Meadows, Evantage

**Financing Assistance for your CHP Facility:** Tina Kaarsberg, Northeast Midwest Institute

4:30-Adjourn

## **Who Should Attend**

The conference is intended for industrial, institutional and commercial owners and operators, utilities, bankers, equipment vendors, fuel suppliers, attorneys and consultants interested in the combined heat and power, cogeneration and distributed generation opportunities in the Massachusetts, Connecticut and Rhode Island.

## **Directions**

From I91: Follow I91, north or south to the Mass Pike (I90). Take the Mass Pike east to Exit 5. At the Tollgate bear right to Route 33. Turn right onto Route 33 and the Comfort Inn Parwick Center is directly on your right.

From the Mass Pike (East or West): Take Exit 5. At the Tollgate bear right to Route 33. Turn right onto Route 33 and the Comfort Inn Parwick Center is directly on your right.

## **Registration**

The conference fee is \$30.00 to cover the cost of breaks, lunch and handout materials. Please make check or money order payable to CEERE. Mail registration to:

CEERE, MIE Department  
University of Massachusetts  
Amherst, MA 01003-2210  
Attn: Dorothy Kent

Registration deadline is June 18,1999.

Please enclose the following information:

Name:\_\_\_\_\_

Title:\_\_\_\_\_

Address:\_\_\_\_\_

\_\_\_\_\_

Phone:\_\_\_\_\_

Email:\_\_\_\_\_

A limited number of rooms are available for the nights of June 21 and 22 at the Comfort Inn at a rate of \$52, single and \$59 double. (Phone